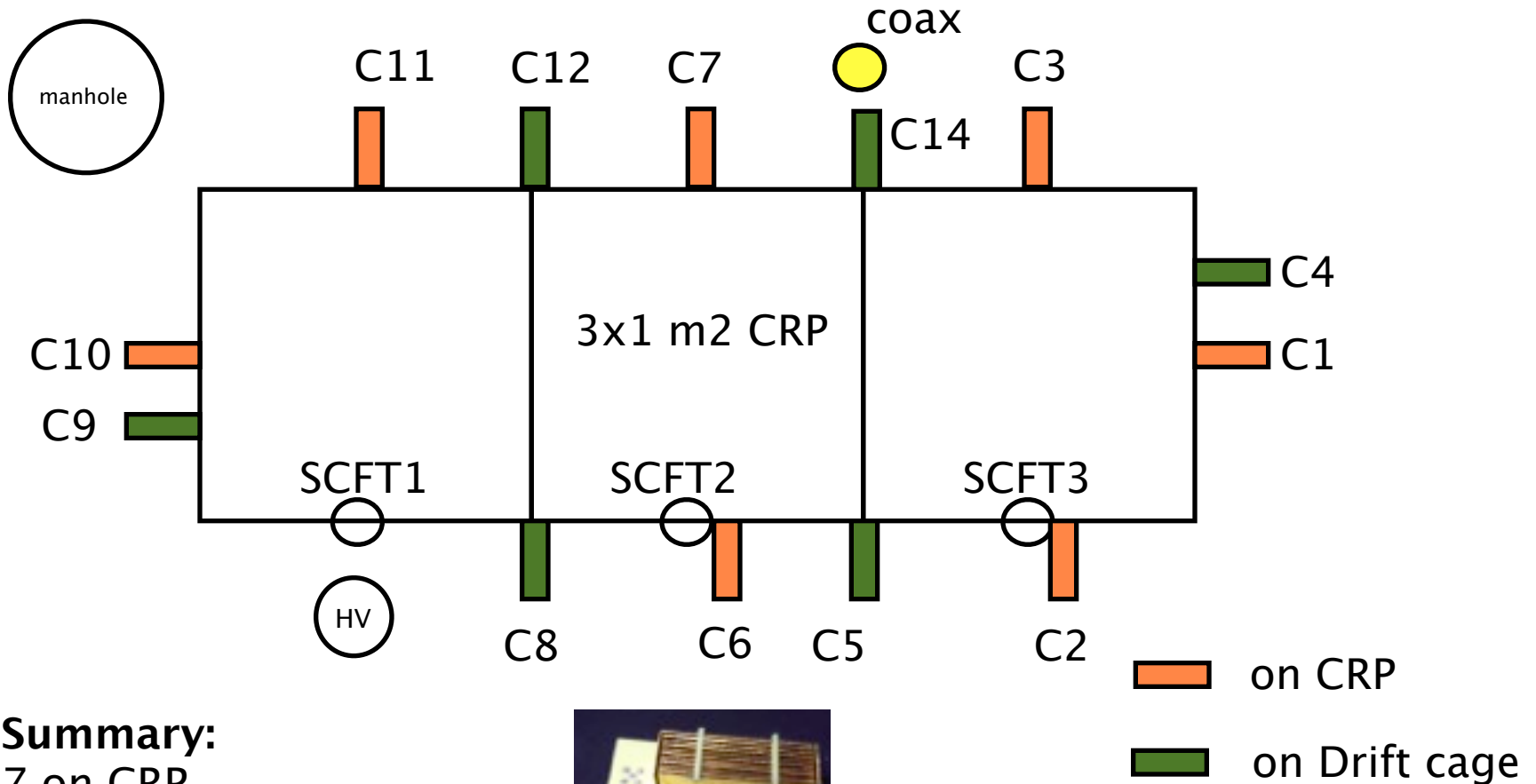


Updates on Level Meter System 311 Detector

18/09/2016

C.Cantini
On Behalf of ETH IPP Zurich

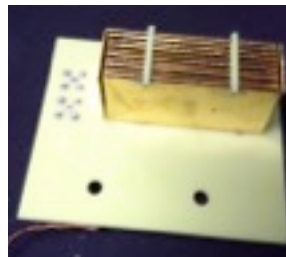


Summary:

7 on CRP

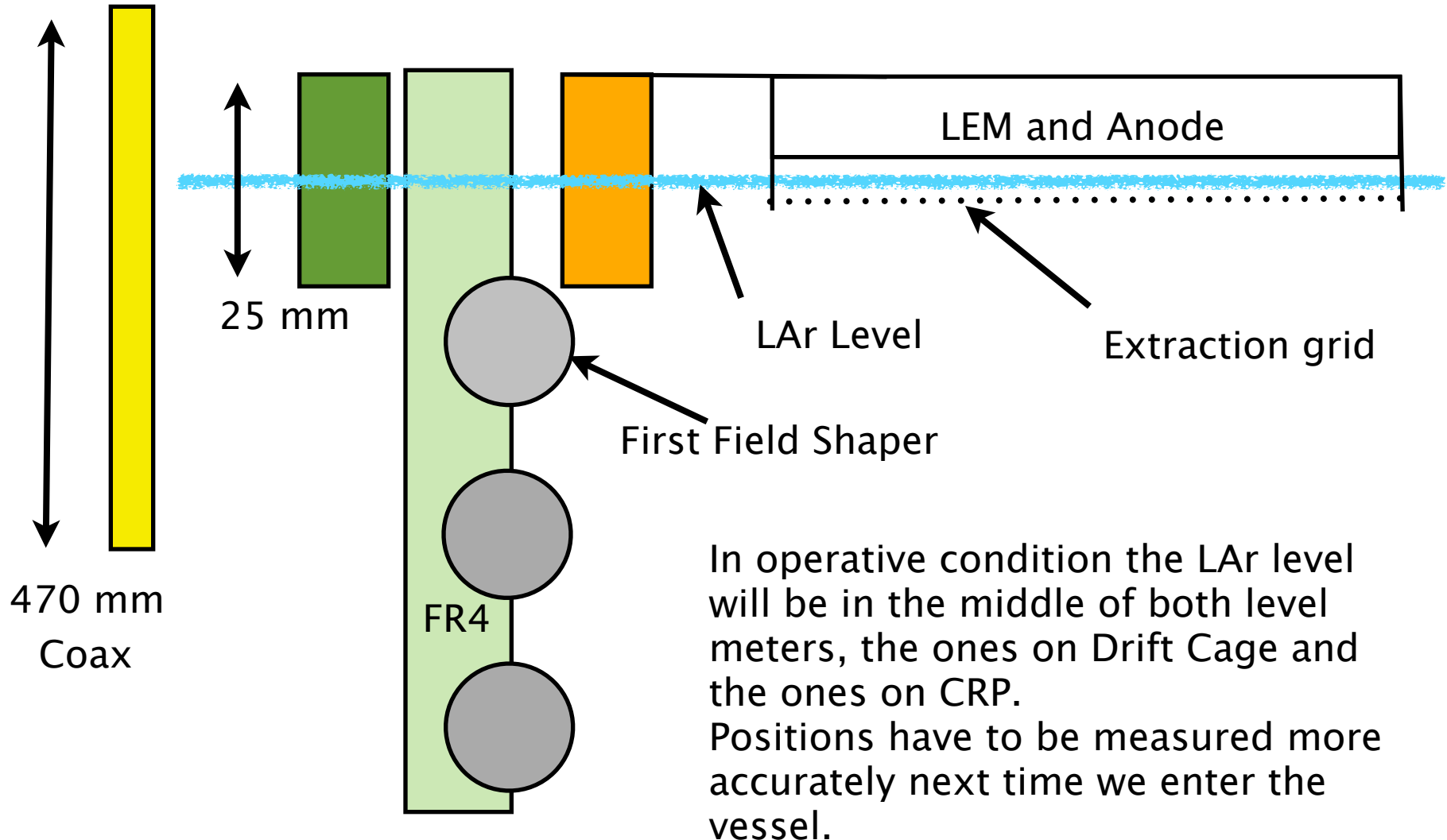
6 on DC

1 coax 470 mm range



25 mm
range

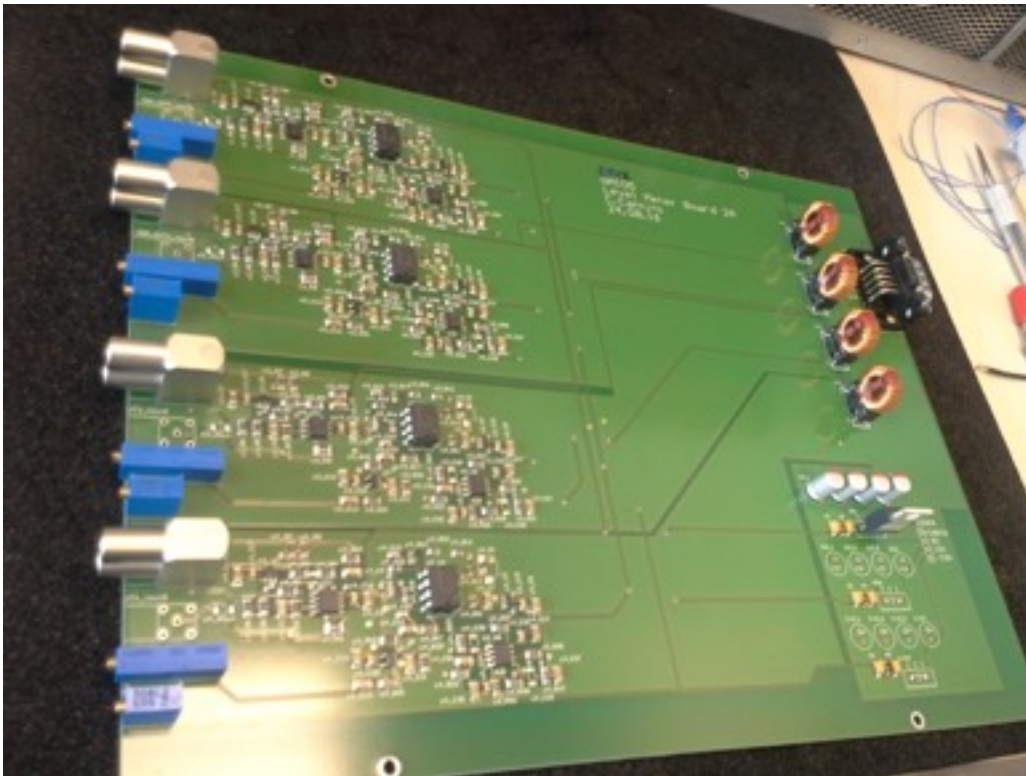
installation while in Temporary Assembly structure



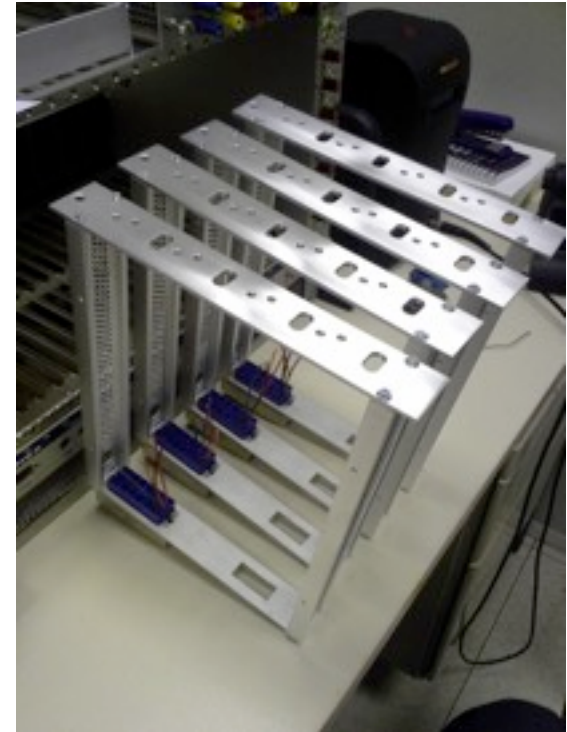
LAr Level meter readout

WA105

4 Channels per Board
NIM size
Tot 4 boards



LAr Level meter readout



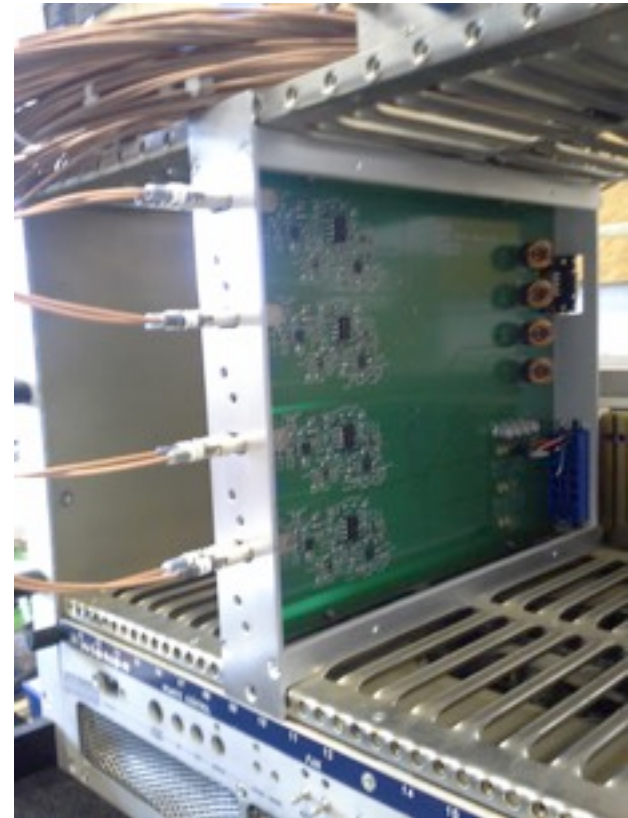
testing boards
& assembly of
custom chassis
machined by
Haller

LAr Level meter readout

WA105



First fully assembled and
tested module on week of
the 09.09



LAr Level meter installation & calibration

Each slow
control flange
has 5/6 coax
pairs for level
meters



Tuesday 13th: Cabling through cable
trays down to the racks

Wednesday 14th: interfacing the NIM
system to the National Instrument
acquisition cards

Wednesday and Thursday: Calibration
of the capacitors on LabView through
the flanges with exact final length of
cabling as in final configuration

- 0 V when immersed into LAr

- 10 V when into cold gas Ar

- Precision of 50 mV which
corresponds to 125 μm of error
in the measure of the level

Friday 16th: installation of capacitors
inside the detector

